Customer Care Solutions
RH-4 Series Cellular Phones

1-General Information

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Figure 1: General illustration of RH-4 3

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The Product

The RH-4, Nokia 6108 is a triple band hand portable mobile telephone for the E-GSM 900, GSM 1800 and GSM 1900 networks, automatically switching between 900, 1800 and 1900MHz bands; automatic handover between 900 & 1800 MHz bands. It is power class 1 (1W) transceiver in all bands except GSM900 where it is a power class 4 transceiver (2W).

Hand portable transceiver

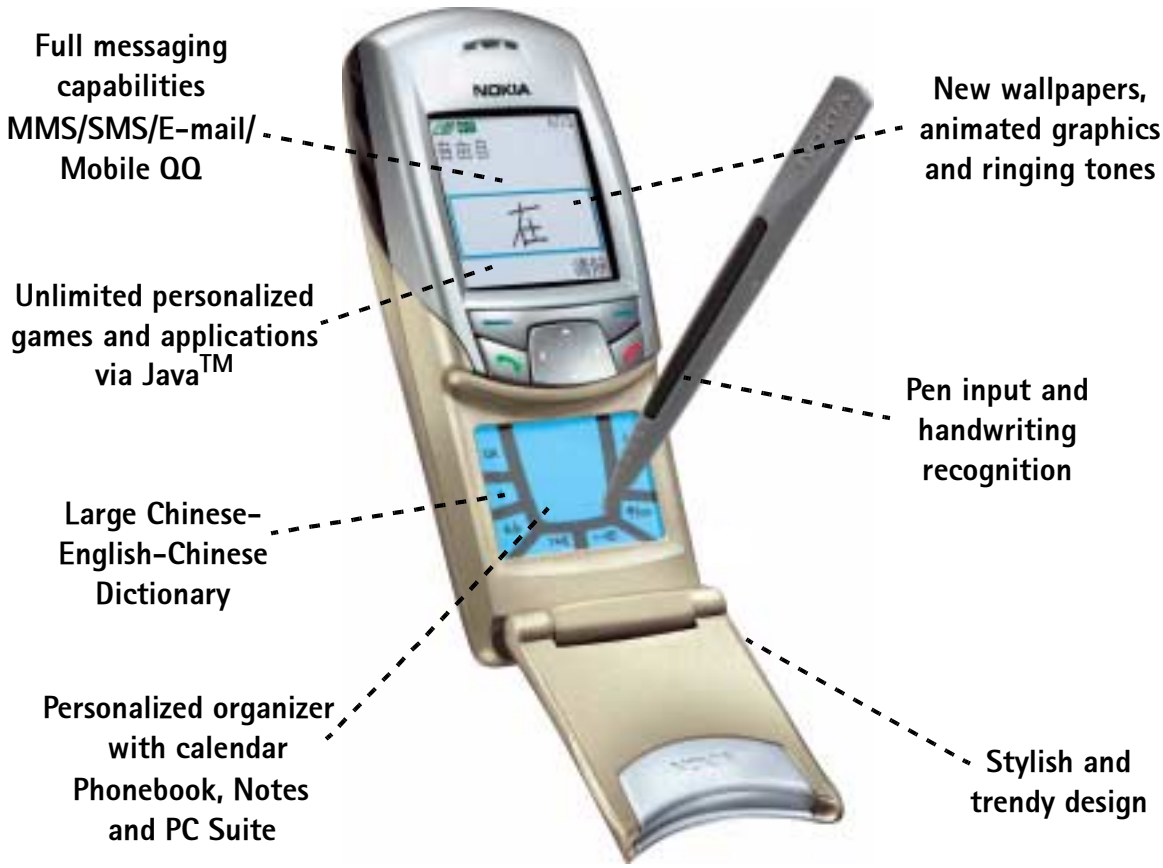

Figure 1: General illustration of RH-4, Nokia 6108

The features of the RH-4, Nokia 6108

- Tri-band: E-GSM 900/GSM 1800/GSM 1900
- WAP and GPRS (General Packet Radio Service)
- HSCSD (High Speed Circuit Switched Data)
- Full graphic colour display
- Jack style UI with two soft keys
- Integrated IR link & internal data
- Pen input with Chinese handwriting recognition
- SyncML
- Automatic Key guard
- Integrated handsfree speaker
- Midi ring tones
- Internal vibra
- Plug & play HF support
- Internal antenna
- Touchpad

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Special features to meet the Chinese requirements

Pen input with Chinese handwriting recognition

- The most natural way of writing Chinese
- Predictive Chinese handwriting input
- More intuitive and faster way to write messages, taking notes or entering information
- Enable text editor, number editor and search
- Also supports the English alphabet input and recognition

Dictionary (Chinese-English-Chinese)

- Reduces the need for external dictionaries
- Helps with translations
- Has two way operation, English to Chinese and Chinese to English
- Supports antonym and synonymy for English

Improved Chinese character set

- Includes almost all the daily used Chinese characters
- Recognizes both simplified and traditional Chinese (GB2312, Big 5 level 1 and 2 and HKSCS) for display, pen input and T9

Lunar calendar

- Records the important festival days and the lunar birthday
- Informs the user of the rhythm of the months
- Converts both the Gregorian to Lunar and Lunar to Gregorian calendars

Enhanced phonebook

- Easier phonebook searching
- Search by Pinyin and all character search

Chinese PC suite

- Enables handling the communication between PC and the phone

Other features of the RH-4, Nokia 6108

Ease of use

- Compact package which is both stylish and trendy
- Provided with an easy-grip, non-slip stylus
- Intuitive to use, Nokia series 40 user interface
- Ergonomically designed with a 4 way scroll key
- Large colour display
    - High resolution 128 x 128 pixels
    - 4096 colours

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Full messaging support

- Entry of data using the pen input or ergonomic keymat
- Supports:
  - Sending and receiving of multimedia messages using Multimedia Messaging Service (MMS)
  - Enables text messages emphasized with still or animated pictures
  - Can receive messages with sound, picture and text
  - Can send and forward messages with image and text
  - Short Message Service (SMS) sending and receiving with message concatenation
  - E-mail sending and receiving
  - Chatting on Mobile QQ

Personal Organizer

- Extensive calendar - Manages daily schedules, meetings and events
  - View successive days with ease
  - Busy view of a week
  - Lunar calendar
  - Improved notes view for one day
  - Snooze on calendar alarm
- Note feature for brief notes
  - Convenient for jotting down notes
  - Up to 3000 characters of text into one note
  - Notes can be sent as an MMS to compatible phones or transferred to a PC with the Nokia PC Suite
- Personalized SMS distribution list - Easier to manage message sending
- Wallet

Personalization and Leisure

- Themed wallpapers depicting the "Five Chinese Elements" Metal, Wood, Water, Fire and Earth
- Personalized applications with Java technology
  - Pre-installed Java applications
  - Pre-Installed Java games

Note: these pre-installed applications and games can be removed and replaced with MIDlets more suitable to ones needs.

- Goto Menu
  - Control of quick menus
  - The setting of short cuts

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XHTML browser

- Full colour user interface
- Richer content
- Convergence of Web and Mobile content development
- New branding opportunities

Sales Package

- Transceiver
- Charger ACP-12
- Battery BL-5C
- Mono Headset HS-5
- Standard Battery Cover
- Standard Stylus
- Pocket Stylus
- PC Suite (CD ROM)
- User Guide

Slim Battery Cover

Product and Module list

Description	Code
RH-4, Basic transceiver	0507059
RH-4, Custom transceiver for PRC	0508030
RH-4, Basic transceiver Blue-eye's blue Taiwanese	0500619
RH-4, Basic transceiver Blue-eye's blue Stroke	0509624
RH-4, Basic transceiver silver gold Taiwanese	0509625
RH-4, Basic transceiver silver gold Stroke	0509626
RH-4, Custom transceiver for PRC (CMCC) Blue-eye's blue	0509627
RH-4, Custom transceiver for PRC (CMCC) silver gold	0509628
RH-4, Custom transceiver for PRC (CMCC) silver rose	0510263
RH-4, ATO assembly silver gold	0510305
RH-4, ATO assembly blank	0510306
RH-4, ATO assembly silver rose	0510307

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Description	Code
RH-4, Basic transceiver silver rose Stroke	0510308
RH-4, Basic transceiver silver rose Taiwanese	0510309
RH-4, ATO assembly Blue-eye's blue	0510317
1AA Radio module for RH-4	0201584
1AJ Touchpad module for RH-4	0202063
1AH Flip module for RH-4	0202064

General specification of transceiver

Parameter	Unit
Cellular system	GSM900, GSM1800, GSM1900
RX frequency band	EGSM: 925 ... 935 MHz GSM900: 935 ... 960 MHz GSM1800: 1805 ... 1880 MHz GSM1900: 1930 ... 1990 MHz
TX frequency band	EGSM: 880 ... 890 MHz GSM900: 890 ... 915 MHz GSM1800: 1710 ... 1785 MHz GSM1900: 1850 ... 1910 MHz
Output power	EGSM: +5 ... +33 dBm (3.2 mW ... 2 W) GSM900: +5 ... +33 dBm (3.2 mW ... 2 W) GSM1800: +0 ... +30 dBm (1.0 mW ... 1 W) GSM1900: +0 ... +30 dBm (1.0 mW ... 1 W)
Duplex spacing	EGSM: 45 MHz GSM900: 45 MHz GSM1800: 95 MHz GSM1900: 80 MHz
Number of RF channels	EGSM: 50 GSM900: 124 GSM1800: 374 GSM1900: 299
Channel spacing	200 kHz (each band)
Number of TX power levels	EGSM: 15 GSM900: 15 GSM1800: 16 GSM1900: 16
Sensitivity, static channel	EGSM: -102 dBm GSM900: -102 dBm GSM1800: -102 dBm (+25°C) GSM1900: -102 dBm
Frequency error, static channel	< 0.1 ppm
RMS phase error	< 5.0 °

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Parameter	Unit
Peak phase error	< 20.0 °
Volume	82 cc
Weight	98 g
Length	106 mm (with the flip closed)
Width (max)	46.4 mm
Thickness (max)	22.8 mm (26 mm with stylus)
Talk time	3 - 8 hrs
Standbye time	170 - 410 hrs

Mobile Enhancements

For more details on the mobile enhancements refer to Chapter 8.

Audio		**Imaging**	
HS-5	Mono Headset	HS-1C	Camera Headset
HDB-4	Mono Headset		
LPS-4	Inductive Loopset	**Power**	
HS-2R	Radio Headset	BL-5C	Battery, 850 mAh, Li-ion
		ACP-7	Standard Charger
Car		ACP-8	Travel Charger
BHF-1	Headrest Handsfree	ACP-9	Travel Charger
LCH-9	Mobile Charger	ACP-12	Travel Charger
LCH-12	Mobile Charger		
		Wearables	
Data		XXX-x	Carrying case
DKU-5	Connectivity Adapter Cable		
DLR-5	Serial Cable		

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